

CLAIMS

1. A method of cleaning the inside of a coil pipe(s) of a heat exchanger, which is carried out by a system comprising a suction pump, a waste-and-wash water collecting tank, a suction hose for connection between the waste-and-wash water collecting tank and a heat transfer medium inlet or outlet of the heat exchanger coil pipe(s) and an ice-feeding hose provided at one end with a hopper and connectable at the other end to the heat transfer medium outlet or inlet of the coil pipe(s), wherein in the state of the suction hose being connected to the heat transfer medium inlet or outlet of the coil pipe(s) and the suction hose being connected to the heat transfer medium outlet or inlet of the coil pipe(s), ice and water are supplied from the hopper and drawn into the coil pipe(s) by suction from the suction pump to pass through the inside of the coil pipe(s) and collected into the waste-and-wash water collecting tank.

2. A method of cleaning the inside of a coil pipe(s) of a heat exchanger as described in claim 1, wherein the process of supplying ice and water and collecting the waste and wash water is repeated by exchanging the connection of the suction hose to the inlet or outlet of the coil pipe(s) for the connection of the ice feeding hose to the outlet or inlet of the coil pipe(s).

3. A method of cleaning the inside of a coil pipe(s) of a

heat exchanger as described in any of claims 1 and 2, wherein the ice feeding hose has a transparent portion through which a flow of waste-and-wash water can be visually observed.

4. A method of cleaning the inside of a coil pipe of a heat exchanger as described in any one of claims 1 and 2, wherein ice and water are mixed in ratio of 1 (ice) to 4~6 (water).

5. A method of cleaning the inside of a coil pipe of a heat exchanger as described in any one of claims 1 and 2, wherein ice is prepared in the form of a cube whose side length corresponds to about $1/3$ - $2/3$ of an inside diameter of a heat exchanger coil pipe to be internally cleaned.